

173-474 AMBIENT AIR QUALITY STANDARDS FOR SULFUR OXIDES  
(Formerly chapter 18-56 WAC)

Last Date Filed with Code Reviser: 9/30/87

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173-474-010 PURPOSE.

This chapter promulgated under RCW 70.94.305 and 70.94.331 establishes maximum acceptable levels for sulfur dioxide as a measure of the sulfur oxide concentration in the ambient air.

[Statutory Authority: Chapter 70.94 RCW. 87-20-020 (Order 87-22), § 173-474-010, filed 9/30/87.]

173-474-015 OBJECTIVE.

In recognition of the need to continue improvement of the quality of the air resource, the department intends to work toward the achievement of the following objective: The sulfur oxide concentration measured as sulfur dioxide at a primary air mass station, primary ground level monitoring station, or special station shall not be greater than three-tenths per million (0.3 ppm) average for five minutes.

[Statutory Authority: Chapter 70.94 RCW. 87-20-020 (Order 87-22), § 173-474-015, filed 9/30/87.]

173-474-020 APPLICABILITY.

The provisions of this chapter apply to all areas of the state of Washington.

[Statutory Authority: Chapter 70.94 RCW. 87-20-020 (Order 87-22), § 173-474-020, filed 9/30/87.]

173-474-030 DEFINITIONS.

Unless a different meaning is clearly required by context, words and phrases used in this chapter shall have the following meanings; general terms common with other chapters of Title 173 WAC as defined in chapter 173-403 WAC, and terms specific to standards for sulfur oxide as follows:

"Period" means any interval of the specified time.

[Statutory Authority: Chapter 70.94 RCW. 87-20-020 (Order 87-22), § 173-474-030, filed 9/30/87.]

#### 173-474-100 AIR QUALITY STANDARDS.

Sulfur oxide in the ambient air, measured as sulfur dioxide shall not exceed the following values:

- (1) Four-tenths parts per million (0.4 PPM) by volume average for a one-hour period more than once per one-year period.
- (2) Twenty-five one-hundredths parts per million (0.25 PPM) by volume average for a one-hour period more than twice in a consecutive seven-day period.
- (3) One-tenth parts per million (0.1 PPM) by volume average for a one-day period more than once per one-year period.
- (4) Two one-hundredths parts per million (0.02 PPM) by volume average for a one-year period.

[Statutory Authority: Chapter 70.94 RCW. 87-20-020 (Order 87-22), § 173-474-100, filed 9/30/87.]

#### 173-474-150 MEASUREMENT METHOD.

For determining compliance with this regulation, sulfur oxides shall be measured by methods approved by, and on file with, the department. Other methods equivalent in sensitivity, accuracy, reproducibility, and selectivity to the approved methods may be used after approval by the department.

[Statutory Authority: Chapter 70.94 RCW. 87-20-020 (Order 87-22), § 173-474-150, filed 9/30/87.]

#### 173-474-160 DATA REPORTING.

- (1) Air authorities sampling for sulfur oxides shall notify the department of all violations of these standards. The notification shall be submitted quarterly. Summaries shall provide the following information:
  - (a) Location of sampler.
  - (b) Time period (hours, days, and year).
  - (c) Actual concentrations recorded that exceeded the standard.
- (2) The department will give quarterly notice to an air authority of infractions of the standards within its jurisdiction. This notice will include:

- (a) Location.
- (b) Time period and dates.
- (c) Concentrations recorded.

[Statutory Authority: Chapter 70.94 RCW. 87-20-020 (Order 87-22), § 173-474-160, filed 9/30/87.]